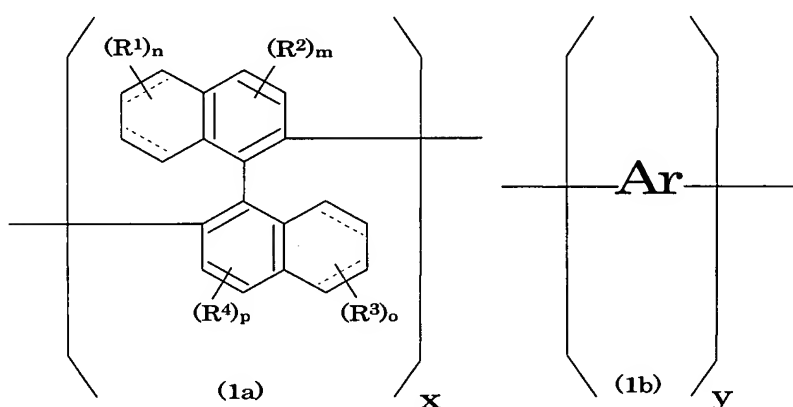


**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

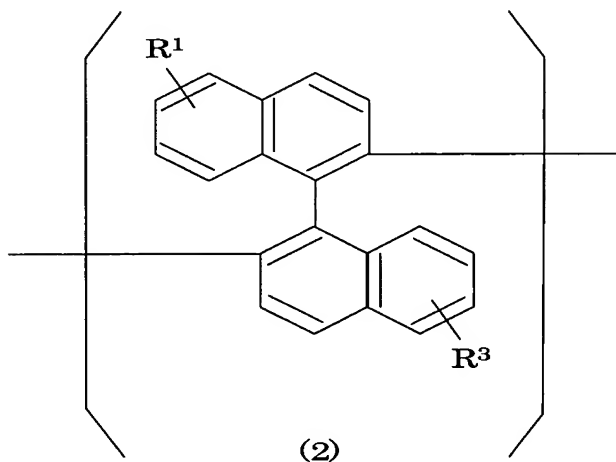
1. (Original) An electroluminescence polymer comprising a binaphthyl derivative structural unit represented by the following formula (1a) and an aryl structural unit represented by the following formula (1b):

wherein Ar is an aryl structural unit that can form an electroluminescent  $\pi$ -conjugated



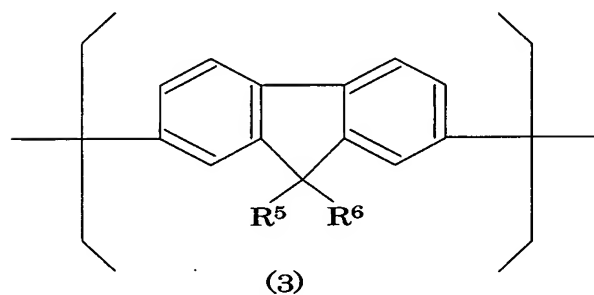
polymer;  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are each independently hydrogen, alkyl, alkenyl, alkynyl, aralkyl, aryl, heteroaryl, alkoxyl, aryloxy or aliphatic heterocyclic group; the double bonds of the binaphthyl structural unit indicated by dashed lines and solid lines are each an unsaturated double bond or a saturated single bond;  $m$  and  $p$  are each independently 0, 1 or 2;  $n$  and  $o$  are each independently 0, 1, 2, 3, 4, 5, 6, 7 or 8; when  $m$ ,  $n$ ,  $o$  or  $p$  is an integer of 2 or greater, the two or more  $R^1$ s,  $R^2$ s,  $R^3$ s, or  $R^4$ s may or may not be identical to one another;  $x$  is the molar fraction of the binaphthyl derivative structural units; and  $y$  is the molar fraction of the aryl structural units.

2. (Original) The electroluminescence polymer according to claim 1, wherein the binaphthyl derivative structural unit of the formula (1a) is a structural unit represented by the following formula (2):



wherein  $R^1$  and  $R^3$  are each independently hydrogen, alkyl, alkenyl, alkynyl, aralkyl, aryl, heteroaryl, alkoxyl, aryloxy, or aliphatic heterocyclic group.

3. (Original) The electroluminescence polymer according to claim 1, wherein the aryl structural unit of the formula (1b) is a fluorene derivative structural unit represented by the following formula (3):



wherein  $R^5$  and  $R^6$  are each independently hydrogen, alkyl, alkenyl, alkynyl, aralkyl, aryl, heteroaryl, alkoxyl, aryloxy, or aliphatic heterocyclic group.

4. (Currently Amended) The electroluminescence polymer according to ~~any one of claims 1 to 3~~claim 1, wherein x is in a range of 0.1 to 90 mol%.

5. (Original) The electroluminescence polymer according to claim 3, comprising, in addition to the binaphthyl derivative structural unit and the fluorine derivative structural unit, at least one of carbazole derivative structural unit, anthracene derivative structural unit, naphthyl derivative structural unit, biphenyl derivative structural unit, benzene derivative structural unit, and aromatic heterocyclic derivative structural unit.

6. (Currently Amended) An organic electroluminescence device, comprising a luminescent layer sandwiched between a pair of electrodes, the luminescent layer formed of the electroluminescence polymer according to ~~any one of claims 1 to 5~~claim 1.

7. (Original) A display comprising the organic electroluminescence device according to claim 6.

8. (New) The electroluminescence polymer according to claim 2, wherein x is in a range of 0.1 to 90 mol%.

9. (New) The electroluminescence polymer according to claim 3, wherein x is in a range of 0.1 to 90 mol%.

10. (New) An organic electroluminescence device, comprising a luminescent layer sandwiched between a pair of electrodes, the luminescent layer formed of the electroluminescence polymer according to claim 2.

11. (New) An organic electroluminescence device, comprising a luminescent layer sandwiched between a pair of electrodes, the luminescent layer formed of the electroluminescence polymer according to claim 3.

12. (New) An organic electroluminescence device, comprising a luminescent layer sandwiched between a pair of electrodes, the luminescent layer formed of the electroluminescence polymer according to claim 4.

13. (New) An organic electroluminescence device, comprising a luminescent layer sandwiched between a pair of electrodes, the luminescent layer formed of the electroluminescence polymer according to claim 5.